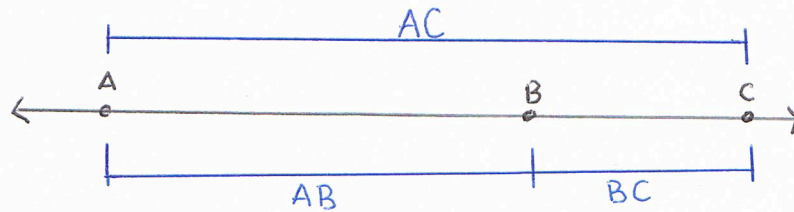


segment addition postulate - if B is between A and C, then  $AB + BC = AC$



examples:

- 1) B is between A and C. Find the value of x and the measure of BC if:

$$AB = 3 \quad BC = 4x + 1 \quad AC = 8$$

answer:  $4x + 1 + 3 = 8$

$$4x + 4 = 8$$

$$4x = 4$$

$$x = 1$$

$$BC = 4x + 1$$

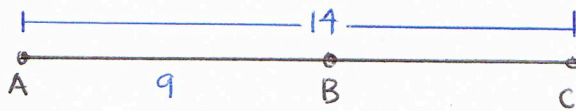
$$BC = 4(1) + 1$$

$$BC = 4 + 1$$

$$BC = 5$$

- emma brzon

2)



$$AC = 14$$

$$AB = 9$$

$$AC - AB = BC$$

$$14 - 9 = 5$$

$$BC = 5$$

- emily wunder